

U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE PROGRESS REPORT

07KN
mid-America
Site: Refinery
ID #: K50084091545
Break: 2-2
Other: SRC 8-29-98

I. HEADING

Date: August 29, 1998
From: Janice J. Kroone, On-Scene Coordinator
U.S. EPA, Region VII
To: Paul Nadeau, Director (5203G)
Regions 5/7 Accelerated Response Center
Subject: Mid-America Refinery Company (MARCO)
Chanute, Neosho County, Kansas
Report: #28

II. BACKGROUND

EPA/IAG Identification Number: RW69952132-01-0
FPN: 088040
Contract Number: 68-S7-7001
Order Number: 0013
Response Authority: OPA
State Notification: KDHE Notified
Date IAG Signed by Coast Guard: December 29, 1997
Date IAG Signed by EPA: February 3, 1998
Mob Date: February 17, 1998
Demobilization Date: N/A
Completion Date: N/A

III. SITE INFORMATION

A. Incident Category

Activities at this site are pursuant to Section 311(c) Federal Water Pollution Control Act (FWPCA), as amended by the Oil Pollution Act of 1990 (OPA), Public Law 101-380, in accordance with the National Contingency Plan (NCP).

This site is an inactive oil refinery located north of a residential area.

B. Site Description

1. The Mid-America Refinery Company (MARCO) located in Neosho County, Kansas, north of the city limits of Chanute, is a 25-acre abandoned oil refinery. This facility operated as a crude oil processor from 1934 until it was shut down in February 1981. Residential property lies immediately to the south and west of the facility and commercial properties border the east and north boundaries. Portions of this site are located in a

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Superfund

plain, and flooded in 1994. Surface runoff from the site flows into an ephemeral tributary, which empties into the east-west trending Village Creek, which is part of the Neosho River Basin. The Neosho River is the primary source of drinking water for the City of Chanute.

Refer to POLREP #1 for complete site description.

2. Description of Threat

The deteriorated condition of the tanks and the eroded underground and aboveground piping, all of which still contain petroleum materials, as well as the oil-contaminated, soils continually discharge into an ephemeral tributary, which empties into Village Creek and eventually into the Neosho River, which is the habitat of the "Kansas Madtom," an endangered fish species. This discharge is considered a threat to public health and the environment.

Refer to POLREP #1 for a more complete description of threat.

C. Previous Site Actions

1. Investigative History

Refer to POLREP #1.

2. Past removal actions

On July 9, 1994, an action memorandum was signed by EPA. EPA began the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) clean-up in August 1994 and the action was completed in March 1995. This removal cost approximately \$1,192,731.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

This POLREP covers the period from August 24-28, 1998. Temperatures all week were in the mid to upper 90s and very humid. Heat index exceeded 100 several days this week.

2. Removal Activities to Date

For this week, a total of 10,164.08 tons, 383 loads of petroleum-contaminated soils were transported to the ADS Resource Recovery Landfill in Cherryvale, Kansas.

There were 11,406 tons of petroleum-contaminated soil excavated in Zone 6, 7, and 9 this week.

Three loads (50.72 tons) of scrap metal were hauled to American Compressed Steel in Kansas City, Missouri.

Backfilling continues in excavated areas.

3. Enforcement

Refer to POLREP #1 for details.

B. Next Steps

Continue transportation and disposal of petroleum-contaminated soils to the ADS Resource Recovery landfill in Cherryvale, Kansas.

Continue to excavate petroleum-contaminated soils and stockpile material for transportation and disposal.

The Springfield Belle will be returned to Region 5 after cleanup and maintenance.

The site will be regraded and reseeded to control water runoff from the site.

C. Key Issues

Approximately 400 feet of abandoned concrete/asbestos nonfriable pipe was found at a depth of 4 feet running along the east side of the site. This material was bagged and removed from the excavation area awaiting disposal under the MARCO Superfund 1998 Delivery Order.

V. COST INFORMATION (as of August 21, 1998)

A. Extramural Costs:

1. ERRS Contractor

Amount in Delivery Order was
increased by \$1,342,650
Current Amount in Delivery Order 3,062,530
Costs to date (not including awaits) 1,788,936
(Cost reflects a credit to the job
of \$52,641 for scrap metal.)

DELIVERY ORDER CEILING BALANCE \$1,273,594

PERCENT OF ERRS FUNDS REMAINING 42%

2. START Contractor

Current Ceiling	285,120
Costs to date	94,243
CEILING BALANCE	190,877
PERCENT OF START FUNDS REMAINING	67%
TOTAL EXTRAMURAL CEILING	\$ 3,347,650
TOTAL EXTRAMURAL COSTS TO DATE	\$ 1,883,179
TOTAL EXTRAMURAL CEILING BALANCE	\$ 1,464,471

B. Intramural Costs:

Current Ceiling	188,640
Actual Costs to date	54,208
TOTAL INTRAMURAL CEILING BALANCE	\$ 134,432
TOTAL PROJECT CEILING FROM COAST GUARD IAG	\$3,536,290
TOTAL EXTRAMURAL AND INTRAMURAL COST TO DATE	1,937,387
TOTAL PROJECT CEILING REMAINING	\$1,598,903

The above accounting of expenditures is an estimate based on figures known to the EPA OSC at the time this POLREP was written. It reflects EPA costs incurred on the site.

VI. DISPOSITION OF WASTE

There were 58,291.41 tons, 2,104 total loads, of petroleum-contaminated soil transported to the ADS Resource Recovery, Inc. landfill in Cherryvale, Kansas.

There were 60,525 gallons of petroleum-contaminated water shipped to Great Plains Environmental, Chanute, Kansas for treatment.

A total of 55,306 gallons of hot oil has been shipped. This includes 5,824 gallons to Everclear in Austintown, Ohio; 12,510 gallons to System Environmental in Fredonia, Kansas and 36,972 gallons shipped to Heartland Cement in Independence, Kansas.

A total of 26,232.61 gallons (255.12 tons) of solidified sludge was sent to the ADS Resource Recovery, Inc. landfill in Cherryvale, Kansas.

A total of 2,544,200 gallons of contaminated runoff has been treated through the Springfield Belle.

A total of 1,052.82 tons of scrap metal has been sent to American Compressed Steel, Kansas City, Missouri for recycling.

A total of 268.95 tons, 27 loads, of construction debris has been sent to Proper Disposal in Chanute, Kansas.

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